

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L1 | 235 | mapper with filter | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 17:01 |
| L2 | 174 | 1 and @ad<="20010711" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 17:01 |
| L3 | 71 | 2 and digital adj2 analog | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 16:00 |
| L4 | 16 | 3 and (copper or coax\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 17:01 |
| L5 | 2 | 4 and parallel with (transmission of transmitting) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 17:00 |
| L6 | 2459 | parallel with (transmission of transmitting) and (input adj (buffer\$1 or register\$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 17:00 |
| L7 | 368 | 6 and (copper or coax\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 17:01 |
| L8 | 121 | 7 and mapp\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 17:01 |
| L9 | 94 | 8 and @ad<="20010711" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 17:01 |
| L10 | 13 | 9 and modulators | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 17:03 |
| L11 | 0 | 10 and buffer near demodulaor\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 17:04 |
| L12 | 0 | 10 and buffer near demodulator\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 17:04 |

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| L13 | 0 | 10 and buffer near receiver | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 17:04 |
| L14 | 0 | 7 and buffer near demodulator\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 17:04 |
| L15 | 6 | 7 and buffer near receiver | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 17:04 |
| S1 | 0 | 0554056a2 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 08:41 |
| S2 | 3 | "0554056" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 08:42 |
| S3 | 0 | "ep 0554056" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 08:42 |
| S4 | 2 | "ep 554056" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 08:51 |
| S5 | 2 | "5432786".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 11:10 |
| S6 | 2 | "6452945".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 08:54 |
| S7 | 2 | "6529303".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 08:55 |
| S8 | 2 | "6407843".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 08:56 |
| S9 | 2 | "5796783".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 09:30 |

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| S10 | 0 | Pct/us02/22339.PCT. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 09:32 |
| S11 | 0 | Pct/us02/022339.PCT. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 09:32 |
| S12 | 0 | "22339".PCT. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 10:45 |
| S13 | 866 | 375/260.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 10:46 |
| S14 | 35 | S13 and parallel near (transmission or transmitter\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 10:51 |
| S15 | 30 | S14 and @ad<="20010711" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 10:51 |
| S16 | 0 | S15 and separate near (frequecn adj channel\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 10:48 |
| S17 | 0 | S15 and separate near (frequency adj channel\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 10:48 |
| S18 | 3 | S15 and (frequency adj channel\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 10:52 |
| S19 | 726 | 375/285.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 10:51 |
| S20 | 8 | S19 and parallel near (transmission or transmitter\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 10:51 |
| S21 | 6 | S20 and @ad<="20010711" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 10:51 |

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| S22 | 3 | S21 and (frequency adj channel\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 10:52 |
| S23 | 6 | "5432786".pn. "5999575".pn. "6246664".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 11:11 |
| S24 | 0 | (multi adj2 user) with adapitve adj filter\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 14:24 |
| S25 | 0 | (multi adj2 user) near (adapitve adj filter\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 14:24 |
| S26 | 0 | (multi adj2 user) near (adaptive adj filter\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 14:25 |
| S27 | 68 | (multi adj2 user) and (adaptive adj filter\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 14:25 |
| S28 | 26 | S27 and (multi adj2 user) adj detect\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 14:25 |
| S29 | 3 | S28 and @ad<="19990225" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 14:28 |
| S30 | 2 | "5,343,496".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 14:34 |
| S31 | 1 | S30 and multi near user\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/22 14:34 |
| S32 | 2 | "6407843".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/23 12:37 |
| S33 | 3 | "9945683" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/23 12:37 |

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| S34 | 2 | "6246664".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/23 15:34 |
| S35 | 2 | "6452945".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/23 15:35 |
| S36 | 2 | "6529303".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/23 15:35 |
| S37 | 2 | "6407843".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/23 15:36 |
| S38 | 5 | (US-5999575-\$ or US-6246664-\$ or US-6452945-\$ or US-6529303-\$ or US-6407843-\$).did. | USPAT | OR | OFF | 2004/11/23 16:57 |
| S39 | 380 | 370/480.ccls. | USPAT | OR | OFF | 2004/11/23 16:57 |
| S40 | 7 | S39 and parallel near (transmit\$4 or transceiver\$1 or transmission) | USPAT | OR | OFF | 2004/11/23 17:12 |
| S41 | 4 | S40 and (add\$3 or accumul\$3) | USPAT | OR | OFF | 2004/11/23 17:13 |
| S42 | 4 | S41 and @ad<="20010711" | USPAT | OR | OFF | 2004/11/23 17:13 |
| S43 | 248 | serdes | USPAT | OR | OFF | 2004/11/23 17:08 |
| S44 | 5 | S43 and fr4 | USPAT | OR | OFF | 2004/11/23 17:08 |
| S45 | 1 | S44 and @ad<="20010711" | USPAT | OR | OFF | 2004/11/23 17:12 |
| S46 | 0 | 323/103.ccls. | USPAT | OR | OFF | 2004/11/23 17:12 |
| S47 | 435 | 332/103.ccls. | USPAT | OR | OFF | 2004/11/23 17:12 |
| S48 | 0 | S47 and serdes | USPAT | OR | OFF | 2004/11/23 17:12 |
| S49 | 0 | S48 and parallel near (transmit\$4 or transceiver\$1 or transmission) | USPAT | OR | OFF | 2004/11/23 17:13 |
| S50 | 13 | S47 and parallel near (transmit\$4 or transceiver\$1 or transmission) | USPAT | OR | OFF | 2004/11/23 17:13 |
| S51 | 11 | S50 and (add\$3 or accumul\$3) | USPAT | OR | OFF | 2004/11/23 17:13 |
| S52 | 11 | S51 and @ad<="20010711" | USPAT | OR | OFF | 2004/11/23 17:17 |
| S53 | 732 | transmitter with (parallel near data) | USPAT | OR | OFF | 2004/11/23 17:18 |
| S54 | 61 | S53 and ((plural or multi or multiple) adj channel\$1) | USPAT | OR | OFF | 2004/11/23 17:18 |
| S55 | 59 | S54 and @ad<="20010711" | USPAT | OR | OFF | 2004/11/23 17:19 |
| S56 | 14 | S55 and carrier adj frequenc\$3 | USPAT | OR | OFF | 2004/11/23 17:20 |
| S57 | 92670 | S56 and bit allocat\$3 | USPAT | OR | OFF | 2004/11/23 17:19 |
| S58 | 0 | S56 and (bit adj allocat\$3) | USPAT | OR | OFF | 2004/11/23 17:20 |
| S59 | 0 | S56 and modulators | USPAT | OR | OFF | 2004/11/23 17:20 |

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| S60 | 32 | ("4061577" "4701904" "4704715" "4953156" "5018135" "5111323" "5134609" "5278824" "5311501" "5351148" "5387927" "5430568" "5461612" "5488500" "5559561" "5564021" "5576874" "5596436" "5612805" "5680238" "5701186" "5896387" "5930231" "6078412" "6111676" "6144428" "6144786" "6201788" "6288808" "6335810" "6407843" "6452945").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/11/23 17:36 |
| S61 | 174 | (parallel near (transmitting or transmission)) with (serial adj data) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 13:04 |
| S62 | 38 | S61 and (different or plural or multiple) adj frequenc\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 10:31 |
| S63 | 33 | S62 and @ad<="20010711" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 10:08 |
| S64 | 3 | S63 and (multiple or plural) near modulator\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 09:47 |
| S65 | 28 | (parallel near (transmitting or transmission)) near (serial adj data) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 09:50 |
| S66 | 0 | S65 and (different or plural or multiple) adj frequenc\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 09:53 |
| S67 | 0 | raghauan.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 09:54 |
| S68 | 17 | sreen.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 09:54 |
| S69 | 4 | S68 and parallel near data | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 10:00 |

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| S70 | 236 | 370/278.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 10:00 |
| S71 | 1 | S70 and (parallel near (transmitting or transmission)) with (serial adj data) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 10:03 |
| S72 | 318 | 370/431.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 10:05 |
| S73 | 1 | S72 and (parallel near (transmitting or transmission)) with (serial adj data) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 10:04 |
| S74 | 194 | 370/464.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 10:05 |
| S75 | 0 | S74 and (parallel near (transmitting or transmission)) with (serial adj data) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 10:06 |
| S76 | 799 | 370/480.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 10:07 |
| S77 | 0 | S76 and (parallel near (transmitting or transmission)) with (serial adj data) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 10:07 |
| S78 | 15023 | 370/478-535.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 10:07 |
| S79 | 8 | S78 and (parallel near (transmitting or transmission)) with (serial adj data) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 10:31 |
| S80 | 3 | S79 and (different or plural or multiple) adj frequenc\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 10:08 |
| S81 | 2 | S80 and @ad<="20010711" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 10:25 |

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| S82 | 2855 | 370/532-545.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 10:22 |
| S83 | 5 | S82 and (parallel near (transmitting or transmission)) with (serial adj data) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 10:24 |
| S84 | 2 | S83 and @ad<="20010711" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 10:28 |
| S85 | 12 | parallel adj code adj (transmission or transmitting) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 10:29 |
| S86 | 9 | S85 and @ad<="20010711" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 10:29 |
| S87 | 0 | S86 and differential | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 10:29 |
| S88 | 229 | 370/536.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 10:31 |
| S89 | 15 | S88 and (parallel near (transmitting or transmission)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 12:58 |
| S90 | 1 | S89 and (different or plural or multiple) adj frequenc\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 10:31 |
| S91 | 8 | "6330252".pn. "5303261".pn. "6496540".pn. "5426644".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 12:59 |
| S92 | 4 | (US-6496540-\$ or US-6330252-\$ or US-5426644-\$ or US-5303261-\$). did. | USPAT | OR | OFF | 2004/11/24 13:14 |
| S93 | 497 | 375/242.ccls. | USPAT | OR | OFF | 2004/11/24 13:03 |
| S94 | 5 | S93 and (parallel near (transmitting or transmission)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 13:06 |

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| S95 | 5 | S94 and @ad<="20010711" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 13:06 |
| S96 | 0 | S95 and bit adj2 load\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 13:07 |
| S97 | 0 | S95 and bit adj2 allocat\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 13:07 |
| S98 | 5 | S95 and encod\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 13:08 |
| S99 | 473 | 341/59.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 13:06 |
| S10 0 | 8 | S99 and (parallel near (transmitting or transmission)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 13:32 |
| S10 1 | 8 | S100 and @ad<="20010711" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 13:08 |
| S10 2 | 0 | S101 and bit adj2 load\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 13:07 |
| S10 3 | 0 | S100 and bit adj2 allocat\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 13:07 |
| S10 4 | 8 | S101 and encod\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 13:08 |
| S10 5 | 0 | S92 and digital adj filter\$1 | USPAT | OR | OFF | 2004/11/24 13:15 |
| S10 6 | 1 | S92 and filter\$1 | USPAT | OR | OFF | 2004/11/24 13:15 |
| S10 7 | 9 | ("3577142" "3594560" "3980826" "4486739" "4710922" "5301196" "5457718" "5648776" "5757807").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/11/24 13:15 |

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| S10 8 | 1191 | (parallel near (transmitting or transmission))and differential | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 13:33 |
| S10 9 | 1191 | (parallel near (transmitting or transmission)) and differential | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 13:33 |
| S11 0 | 83 | S109 and digital adj filter | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 13:33 |
| S11 1 | 77 | S110 and @ad<="20010711" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 13:34 |
| S11 2 | 47 | S111 and digital adj2 analog | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 13:34 |
| S11 3 | 21 | S112 and map\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 14:00 |
| S11 4 | 16 | S113 and copper or coaxila | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 13:36 |
| S11 5 | 325005 | S113 and copper or coax\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 13:35 |
| S11 6 | 1 | S113 and (copper or coax\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 13:35 |
| S11 7 | 7829 | bits with (lower and higher) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 14:01 |
| S11 8 | 259 | S117 and carrier adj frequenc\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 14:01 |
| S11 9 | 4 | S118 and parallel adj (transmission or transmit\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 14:02 |

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| S12 0 | 2 | S119 and @ad<="20010711" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 14:05 |
| S12 1 | 3 | bits with (lower adj carrier adj frequency) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/24 15:59 |